







Maths @ WBS Year 11 Roadmap

Subject Aim: To collect and utilise understanding of all areas of Mathematics studied at WBS. Develop complete familiarity and confidence with GCSE questions, with a focus on the problem-solving elements. To achieve the absolute potential of each and every student at GCSE Mathematics.

TT Promotion	 HT 1 HANDLING DATA 2	<div>Assessment</div> <p>There are 4 Schemes of Learning within Year 11 Maths, and the one which you follow is dictated by the set that you are in.</p> <table><tr><td>SUPPORT Aimed at building up confidence with problem solving questions and consolidating knowledge of the fundamental GCSE skills. (Set 6)</td><td>FOUNDATION Designed to stretch students to the very top of the GCSE Foundation content, with a focus on the most challenging elements. (Set 4-5)</td><td>INTERMEDIATE Bridging the gap between the two GCSE tiers, with the aim of both supporting and then pushing students towards their potential. (Set 3)</td><td>HIGHER Taking all opportunities to stretch students by developing clarity of thought and risk-taking in their mathematical approaches. (Set 1-2)</td></tr></table> <p>You start each Unit with the Support content and your teacher will then stretch you as far as possible in the time available.</p> <p>At the end of each Unit, you will take the assessment which is relevant to your set. There will be a review lesson to follow up after it has been marked. You will then be set a review question in a future lesson which will be targeted at the individual areas where you have struggled.</p> <p>In November, set 3-6 take our "Grade 5 Test" which focuses on the shared content. In February, all students take a Mock Exam, after which point final decisions on tier of entry are made.</p> <div>Homework and Revision</div> <ul style="list-style-type: none">•Homework includes online tasks that are reviewed in class.•Feedback is given on our online systems and in written form.•Revision clocks and practice questions for assessments are published on Brightspace.•Each assessment is focused on the content of that Unit but will include skills previously learned as well.•Completed and assessed assessments will be placed into your progress folder. <div>Enrichment Themes</div> <p>*Topics outside of standard GCSE content are in red on the left*</p> <p>In Year 11, further opportunities to work beyond the curriculum include A-Level, Further and Core Maths taster lessons.</p>	SUPPORT Aimed at building up confidence with problem solving questions and consolidating knowledge of the fundamental GCSE skills. (Set 6)	FOUNDATION Designed to stretch students to the very top of the GCSE Foundation content, with a focus on the most challenging elements. (Set 4-5)	INTERMEDIATE Bridging the gap between the two GCSE tiers, with the aim of both supporting and then pushing students towards their potential. (Set 3)	HIGHER Taking all opportunities to stretch students by developing clarity of thought and risk-taking in their mathematical approaches. (Set 1-2)
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<ul style="list-style-type: none">➤ Cumulative Frequency➤ Box & Whisker Plots➤ Lines of Best Fit						
Autumn Term	 HT 2 WORKING WITH QUADRATICS					
	<ul style="list-style-type: none">➤ Expanding & Factorising Quadratics➤ Difference of Two Squares➤ Completing the Square➤ The Quadratic Formula					
	 HT 3 PROBABILITY OF COMBINED EVENTS					
Spring Term	<ul style="list-style-type: none">➤ Venn Diagrams➤ Tree Diagrams➤ Conditional Probability					
	 HT 3-4 UNITS & PROPORTIONALITY					
	<ul style="list-style-type: none">➤ Conversion Graphs➤ Direct & Inverse Proportion➤ Area & Volume Scale Factors➤ Exponential Growth & Decay➤ Graphical Rates of Change➤ *Population Models*					
Summer Term	 HT 4-5 FURTHER ALGEBRA					
	<ul style="list-style-type: none">➤ Real Life Graphs➤ Iteration➤ Reciprocal & Exponential Graphs➤ Equations of Circles➤ Transforming Graphs➤ Understanding Functions					
	 HT 5-6 REVISION					
	<ul style="list-style-type: none">➤ Past Papers & Revisit Problem Areas➤ Stretch & Extend Wherever Possible					

Where Next?

Our very strongest Year 11 students may be entered for the Level 2 qualification in Further Maths. In Year 12, we offer a variety of courses. Alongside the first year of the Maths A-Level, we also offer Further Maths (AS exam in year 12), & a Level 3 qualification in Mathematical Studies (Core Maths).